Exhibit 300: Capital Asset Plan and Business Case Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview (All Capital Assets)

1. Date of Submission:	4/10/2009
2. Agency:	Department of Energy
3. Bureau:	Environmental And Other Defense Activities
4. Name of this Capital Asset:	HS (SP) Nuclear Materials Management and Safeguards System (NMMSS)
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)	019-10-01-22-01-1015-00
6. What kind of investment will this be in FY 2010? (Please NOTE: Investments moving to O&M in FY 2010, with Planning/Acquisition activities prior to FY 2010 should not select O&M. These investments should indicate their current status.)	Mixed Life Cycle
7. What was the first budget year this investment was submitted to OMB?	FY2001 or earlier
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap:	
9. Did the Agency's Executive/Investment Committee approve this request?	Yes
a. If "yes," what was the date of this approval?	8/21/2008
10. Did the Project Manager review this Exhibit?	Yes
11. Contact information of Program/Project Manager?	
Name	Dessaules, Peter
Phone Number	301-903-4525
Email	pete.dessaules@hq.doe.gov
a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager?	Waiver Issued
b. When was the Program/Project Manager Assigned?	9/1/2005
c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification?	8/7/2009
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project?	Yes
a. Will this investment include electronic assets (including computers)?	Yes
b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	No
1. If "yes," is an ESPC or UESC being used to help fund this investment?	
2. If "yes," will this investment meet sustainable design principles?	
3. If "yes," is it designed to be 30% more energy efficient than relevant code?	
13. Does this investment directly support one of the PMA initiatives?	Yes

If "yes," check all that apply:	Real Property Asset Management Expanded E-Government
a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)	NMMSS supports PMA initiatives of e-Gov collaboration and reuse and Real Property Asset Management by integrating the support of DOE and NRC reporting and international treaties through the Department of State, to account for nuclear materials inventory. NMMSS collaborates internally with DOE through its interface with LANMAS (UPI 019-60-01-22-01-1016-00-405-144), and by providing data for asset valuation, long term disposal strategies, waste management programs, and facility decommissioning.
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.)	No
a. If "yes," does this investment address a weakness found during a PART review?	
b. If "yes," what is the name of the PARTed program?	
c. If "yes," what rating did the PART receive?	
15. Is this investment for information technology?	Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance)	Level 2
17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance)	(1) Project manager has been validated as qualified for this investment
18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2008 agency high risk report (per OMB Memorandum M-05-23)	No
19. Is this a financial management system?	No
a. If "yes," does this investment address a FFMIA compliance area?	
1. If "yes," which compliance area:	
2. If "no," what does it address?	
b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52	

20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)

Hardware	2
Software	2
Services	96
Other	0
21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities?	N/A

22. Contact information of individual responsible for privacy related questions:

Name	Martin, Stephanie
Phone Number	301-903-9881
Title	Director, HS-1.23
E-mail	stephanie.martin@hq.doe.gov
23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?	Yes

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO   No
High Risk Areas?

Section B: Summary of Spending (All Capital Assets)

1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The "TOTAL" estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS) (Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)									
	PY-1 and earlier	PY 2008	CY 2009	BY 2010	BY+1 2011	BY+2 2012	BY+3 2013	BY+4 and beyond	Total
Planning:	0	0	0	0	0	0	0	0	0
Acquisition:	4.938	0.58	0	0	0	0	0	0	5.518
Subtotal Planning & Acquisition:	4.938	0.58	0	0	0	0	0	0	5.518
Operations & Maintenance:	12.186	3.269	3.018	3.018	3.018	3.018	3.018	0	30.545
TOTAL:	17.124	3.849	3.018	3.018	3.018	3.018	3.018	0	36.063
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	0.687	0.149	0.134	0.134	0.134	0.134	0.134	0	1.506
Number of FTE represented by Costs:	5	1	1	1	1	1	1	0	11

Note: For the multi-agency investments, this table should include all funding (both managing partner and partner agencies). Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional   No
FTE's?

    a. If "yes," How many and in what year?

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:

Section C: Acquisition/Contract Strategy (All Capital Assets)

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

Contracts/Task Orders Table: * Costs in millions

Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order ($M)	Is this an Interagency Acquisition? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition? (Y/N)
DE-AC09-98SF21544	Cost Plus Award Fee, Performance targets are established annually and based on performance review by DOE and NRC an award fee is determined. Total value of contract describes steady state funding for NMMS, only.	Yes	9/28/1998	10/1/1998	9/30/2008	15.803	No	Yes	No	NA	No	Yes	Campbell, Donnie	803-952-7732 / donnie04.campbell@srs.gov	Level 3	
DE-AC09-96-SR-185000 has specific tasking for NMMSS Upgrade DME	Cost plus Incentive Fee, M&O Specific tasking for DME Application Development is authorized annually. EVMS tracks the DME tasking to assure performance is managed effectively.Total value of contract describes DME funding for NMMS, only.	Yes	8/6/1996	10/1/1996	7/31/2008	5.441	No	Yes	Yes	NA	Yes	Yes	Lovett, James	803-952-9829 / james.lovett@srs.gov	Level 3	
	Cost, plus	No	7/1/2008	9/1/2008	9/30/2013	14.819	No	Yes	Yes	NA	Yes	Yes	Clarke, Irie	202-287-	Level 3	

Contracts/Task Orders Table: * Costs in millions

Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order ($M)	Is this an Interagency Acquisition? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition? (Y/N)
	incentive fee. Currently under review, will be performance based												W	1421 / Clarke@HQ. DOE.GOV		

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

EVM is required for all DME tasking to provide effective performance management.

Although the current operations contract, DE-AC09-98SF21544, supports the steady state operations of NMMSS, and does not specifically require EVM, EVM is implemented by the contractor for the steady state operation of NMMSS.

3. Do the contracts ensure Section 508 compliance?	Yes
a. Explain why not or how this is being done?	The DME upgrade path to a Windows platform and a uniform reporting structure facilitates accessibility. The NMMSS Windows upgrade provides the Microsoft Windows COTS product Accessibility features.
4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7.1 and has been approved in accordance with agency requirements?	Yes
a. If "yes," what is the date?	8/29/2008
1. Is it Current?	Yes

b. If "no," will an acquisition plan be developed?

1. If "no," briefly explain why:

Section D: Performance Information (All Capital Assets)

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond the next President's Budget.

Performance Information Table								
Fiscal Year	**Strategic Goal(s) Supported**	**Measurement Area**	**Measurement Category**	**Measurement Grouping**	**Measurement Indicator**	**Baseline**	**Target**	**Actual Results**
2007	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within ten (10) workdays	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through EOY 2007, reports distributed complete within ten (10) work days.
2007	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA Inventory Change Reports - within thirty (30) days of the month ended	Dispatch IAEA Inventory Change Reports (ICR) within thirty (30) days of the month ended (regardless of closure of the books).	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through EOY 2007, IAEA reports distributed complete within thirty (30) days of month ended.
2007	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA material balance reports and physical inventory listing reports - within thirty (30) days of receipt from IAEA	Dispatch IAEA material balance reports and physical inventory listing reports within thirty (30) days of receipt from IAEA selected facilities.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational	Through EOY FY2007, IAEA material balance and physical inventory reports distributed complete within thirty (30) days of receipt form IAEA selected

Performance Information Table							
Fiscal Year	**Strategic Goal(s) Supported**	**Measurement Area**	**Measurement Category**	**Measurement Grouping**	**Measurement Indicator**	**Baseline**	**Target**	**Actual Results**
	terrorism.						FY08.	facilities.
2007	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management	Perform reconciliation of licensee Material Balance Reports and Physical Inventory Listings. Notify NRC if a facility does not respond within (5) workdays.	Perform reconciliation of licensee Material Balance Reports and Physical Inventory Listings in accordance with an approved NRC reconciliation procedure with notice given to the NRC when a facility does not respond within five (5) workdays.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through EOY FY 2007, reconciliation of licensee material balance reports and physical inventory listings were completed accurately and NRC was notified if a facility did not respond within five (5) work days.
2007	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (10) workdays after the customer request	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through EOY 2007, special reports were distributed within ten (10) work days after the customer request unless a later delivery date was negotiated and documented.
2007	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within five (5) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the request.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through EOY 2007, reconciliation reports were provided to facilities within five (5) work days of the request.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within ten (10) workdays	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	After development is complete there is a target improvement goal of 5% for FY08. Distribute standard NMMSS reports within nine and a half (9.5) workdays of closure of the monthly accounting period.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. As of Q408, target has been met for NMMSS legacy system. Target is not applicable for NMMSS SQL system which was still in testing up to EOY 2008.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA material balance reports and physical inventory listing reports - within thirty (30) days of receipt from IAEA	Dispatch IAEA material balance reports and physical inventory listing reports within thirty (30) days of receipt from IAEA selected facilities.	After development there is an IAEA inventory change report dissemination goal of 5% for FY08. Dispatch IAEA Inventory Change Reports (ICR) within twenty-eight and a half (28.5) days of the month ended (regardless of closure of the books).	Performance will be reported quarterly as part of joint NRC and DOE management reviews. As of EOY 2008, NMMSS Legacy has met the target of 28.5 days 100%. As of Q4 FY08, SQL system was still in testing.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management	Perform reconciliation of licensee Material Balance Reports and Physical Inventory Listings. Notify	Perform reconciliation of licensee Material Balance Reports and Physical Inventory Listings in	After development there is a reconciliation improvement goal of 10% for FY08. Perform	Performance will be reported quarterly as part of joint NRC and DOE management reviews. As of

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	materials for use in weapons of mass destruction and other acts of terrorism.				NRC if a facility does not respond within (5) workdays.	accordance with an approved NRC reconciliation procedure with notice given to the NRC when a facility does not respond within five (5) workdays.	reconciliation of licensee Material Balance Reports and Physical Inventory Listings within four and a half (4.5) workdays.	EOY 2008, NMMSS Legacy has met the target of 4.5 days to report non-responsive facilities to the NRC 100%. NMMSS SQL system was still in testing.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Management and Innovation	Innovation and Improvement	Accuracy of Inventory Balances and Nuclear Material Tracking	Existing system lacks precision needed to generate reports to address increased compliance reporting requirement.	Developed SQL system will support greater precision with floating point accuracy. NRC and DOE can regulate more accurately nuclear materials at 103 licensed Nuclear Reactor sites plus DOE facilities.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Not applicable. As of Q4 2008, SQL system was still in testing.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Management and Innovation	Innovation and Improvement	Accuracy and consistency of consolidated NRC licensee and DOE facility reporting.	Current operations support separate NRC and DOE reporting structures requiring redundant processes and reporting.	Integrated reporting structures across NRC and DOE eliminate 20% of redundant reporting.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. This will go into effect with the implementation of the new SQL system which was in testing as of Q4 FY08.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (10) workdays after the customer request	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	After development there is a special report generation improvement goals of 20% for FY08. Provide special reports not later than eight (8) workdays after the customer request unless a different delivery date is negotiated and documented.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. This will go into effect with the implementation of the new SQL system which was in testing as of Q4 FY08.
2008	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within five (5) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the request.	After development there is goal to improve dissemination to the field of 10% for FY08. Reports used in DOE reconciliations are provided to the facilities within four and a half (4.5) workdays of the request.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. This will go into effect with the implementation of the new SQL system which was in testing as of Q4 FY08
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within nine (9) workdays	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	After development is complete there is a target improvement goal of 10% for FY09 Distribute standard NMMSS reports within nine (9) workdays of	Normal report distribution will not begin until after completion of FY08 reports.

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	terrorism.						closure of the monthly accounting period.	
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (8) workdays after the customer request	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	After development there is a special report generation improvement goals of 20% for FY09 Provide special reports not later than eight (8) workdays after the customer request unless a different delivery date is negotiated and documented.	During Q2 FY 2009, twelve (12) requests had negotiated dates. All were completed on or ahead of schedule.
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within four (4) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the request.	After development there is goal to improve dissemination to the field of 20% for FY09 Reports used in DOE reconciliations are provided to the facilities within four (4) workdays of the request.	In Q2 FY 2009, 80% of reports met the 4 days goal. Delays were due to report validation and reduced staff as a result of transition to interim operations at SRS.
2009	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Reliability and Availability	Availability	Business Intelligence analysis capability supports ad hoc and exception reporting.	Technical support is required to generate ad hoc and exception reporting.	50% of the ad hoc and exception reporting are generated without technical support.	This goal was exceeded in Q1 FY 2009. 75% of special requests were prepared by operator/analysts without technical support. Not yet analyzed for Q2 FY 2009.

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2010	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within (8) workdays	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	After development is complete there is a target improvement goal of 20% for FY10, Distribute standard NMMSS reports within eight (8) workdays of closure of the monthly accounting period.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2010 would be reviewed in January, 2010. Q2 is in April, Q3 is in July and Q4 is in October, 2010.
2010	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA Inventory Change Reports - within (24) days of the month ended	Dispatch IAEA Inventory Change Reports (ICR) within thirty (30) days of the month ended (regardless of closure of the books).	After development there is an IAEA inventory change report dissemination goal of 20% for FY10, Dispatch IAEA Inventory Change Reports (ICR) within twenty-four (24) days of the month ended (regardless of closure of the books).	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2010 would be reviewed in January, 2010. Q2 is in April, Q3 is in July and Q4 is in October, 2010.
2010	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2010	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2010	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (6) workdays after the customer request	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	After development there is a special report generation improvement goals of 40% for FY10 Provide special reports not later than six (6) workdays after the customer request unless a different delivery date is negotiated and documented.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2010 would be reviewed in January, 2010. Q2 is in April, Q3 is in July and Q4 is in October, 2010.
2010	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within (3) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the request.	After development there is goal to improve dissemination to the field of 40% for FY10 Reports used in DOE reconciliations are provided to the facilities	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2010 would be reviewed in January, 2010. Q2 is in April, Q3

Performance Information Table							
Fiscal Year	**Strategic Goal(s) Supported**	**Measurement Area**	**Measurement Category**	**Measurement Grouping**	**Measurement Indicator**	**Baseline**	**Target**	**Actual Results**
	terrorism.						within three (3) workdays of the request.	is in July and Q4 is in October, 2010.
2011	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within (8) workdays.	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	After development is complete there is a target improvement goal of 20% for FY11, Distribute standard NMMSS reports within eight (8) workdays of closure of the monthly accounting period.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2011 would be reviewed in January, 2011. Q2 is in April, Q3 is in July and Q4 is in October, 2011.
2011	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA Inventory Change Reports - within (24) days of the month ended	Dispatch IAEA Inventory Change Reports (ICR) within thirty (30) days of the month ended (regardless of closure of the books).	After development there is an IAEA inventory change report dissemination goal of 20% for FY11, Dispatch IAEA Inventory Change Reports (ICR) iwthin twenty-four (24) days of the month ended (regardless of closure of the books).	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2011 would be reviewed in January, 2011. Q2 is in April, Q3 is in July and Q4 is in October, 2011.
2011	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2011	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2011	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (6) workdays after the customer request.	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	After development there is a special report generation improvement goals of 40% for FY11 Provide special reports not later than six (6) workdays after the customer request unless a different delivery date is negotiated and documented.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2011 would be reviewed in January, 2011. Q2 is in April, Q3 is in July and Q4 is in October, 2011.
2011	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within (3) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the request.	After development there is goal to improve dissemination to the field of 40% for FY11 Reports used in DOE	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2011 would

Performance Information Table								
Fiscal Year	**Strategic Goal(s) Supported**	**Measurement Area**	**Measurement Category**	**Measurement Grouping**	**Measurement Indicator**	**Baseline**	**Target**	**Actual Results**
	in weapons of mass destruction and other acts of terrorism.						reconciliations are provided to the facilities within three (3) workdays of the request.	be reviewed in January, 2011. Q2 is in April, Q3 is in July and Q4 is in October, 2011.
2012	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within (8) workdays.	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	After development is complete there is a target improvement goal of 20% for FY12, Distribute standard NMMSS reports within eight (8) workdays of closure of the monthly accounting period.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2012 would be reviewed in January, 2012. Q2 is in April, Q3 is in July and Q4 is in October, 2012.
2012	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA Inventory Change Reports - within (24) days of the month ended.	Dispatch IAEA Inventory Change Reports (ICR) within thirty (30) days of the month ended (regardless of closure of the books).	After development there is an IAEA inventory change report dissemination goal of 20% for FY12, Dispatch IAEA Inventory Change Reports (ICR) within twenty-four (24) days of the month ended (regardless of closure of the books).	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2012 would be reviewed in January, 2012. Q2 is in April, Q3 is in July and Q4 is in October, 2012.
2012	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2012	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2012	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (6) workdays after the customer request.	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	After development there is a special report generation improvement goals of 40% for FY12 Provide special reports not later than six (6) workdays after the customer request unless a different delivery date is negotiated and documented.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2012 would be reviewed in January, 2012. Q2 is in April, Q3 is in July and Q4 is in October, 2012.
2012	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within (3)	Reports used in DOE reconciliations are provided to the facilities	After development there is goal to improve dissemination to	Performance will be reported quarterly as part of joint NRC and DOE

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.				workdays of the request.	within five (5) workdays of the request.	the field of 40% for FY12 Reports used in DOE reconciliations are provided to the facilities within three (3) workdays of the request.	management reviews. Q1 of FY 2012 would be reviewed in January, 2012. Q2 is in April, Q3 is in July and Q4 is in October, 2012.
2013	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within (8) workdays.	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	After development is complete there is a target improvement goal of 20% for FY12, Distribute standard NMMSS reports within eight (8) workdays of closure of the monthly accounting period.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2013 would be reviewed in January, 2013. Q2 is in April, Q3 is in July and Q4 is in October, 2013.
2013	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2013	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2013	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2013	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity	Efficiency	Provide special reports - (6) workdays after the customer request.	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	After development there is a special report generation improvement goals of 40% for FY12 Provide special reports not later than six (6) workdays after the customer request unless a different delivery date is negotiated and documented.	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of FY 2013 would be reviewed in January, 2013. Q2 is in April, Q3 is in July and Q4 is in October, 2013.
2013	GOAL 2.2 Weapons of Mass Destruction Prevent the acquisition of nuclear and radiological	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within (3) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the	After development there is goal to improve dissemination to the field of 40% for FY12 Reports	Performance will be reported quarterly as part of joint NRC and DOE management reviews. Q1 of

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	materials for use in weapons of mass destruction and other acts of terrorism.					request.	used in DOE reconciliations are provided to the facilities within three (3) workdays of the request.	FY 2013 would be reviewed in January, 2013. Q2 is in April, Q3 is in July and Q4 is in October, 2013.

Section E: Security and Privacy (IT Capital Assets only)

In order to successfully address this area of the business case, each question below must be answered at the system/application level, not at a program or agency level. Systems supporting this investment on the planning and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the "Systems in Planning" table (Table 3) and the "Operational Systems" table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the "Name of System" column of the privacy table (Table 8) should match the systems listed in columns titled "Name of System" in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer "yes" for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

Please respond to the questions below and verify the system owner took the following actions:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment?:

    a. If "yes," provide the "Percentage IT Security" for the budget year:

2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment?

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):

Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)
Nuclear Materials Management and Safeguards System (NMMSS) – Windows version			

4. Operational Systems - Security Table:

Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST 800-37? (Y/N)	Date Completed: C&A	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, Other, N/A)	Date Completed: Security Control Testing	Date the contingency plan tested
Nuclear Materials Management and Safeguards System (NMMSS) - DoS version							

5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been

identified by the agency or IG?

    a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?

    a. If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

8. Planning & Operational Systems - Privacy Table:

(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
Nuclear Materials Management and Safeguards System (NMMSS) - DoS version	No	No	No, because the system does not contain, process, or transmit personal identifying information.	No	
Nuclear Materials Management and Safeguards System (NMMSS) - Windows version	Yes	No	No, because the system does not contain, process, or transmit personal identifying information.	No	

Details for Text Options:
Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.

Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.

Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.

Section F: Enterprise Architecture (EA) (IT Capital Assets only)

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture?   Yes

    a. If "no," please explain why?

2. Is this investment included in the agency's EA Transition Strategy?   Yes

    a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.   HS (SP) Nuclear Materials Management and Safeguards System (NMMSS)

    b. If "no," please explain why?

3. Is this investment identified in a completed and approved segment architecture?   No

    a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to http://www.egov.gov.   240-000

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)

4. Service Component Reference Model (SRM) Table:
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Data Mining	Provide for the efficient discovery of non-obvious, valuable patterns and relationships within a large collection of data.	Business Analytical Services	Knowledge Discovery	Data Mining			No Reuse	13
Ad Hoc	Support the use of dynamic reports on an as needed basis.	Business Analytical Services	Reporting	Ad Hoc	Ad Hoc	019-10-01-22-01-1016-00	Internal	13
Standardized / Canned	Support the use of pre-conceived or pre-written reports	Business Analytical Services	Reporting	Standardized / Canned	Standardized / Canned	019-10-01-22-01-1016-00	Internal	25
Inventory management	Provide for the balancing of customer service levels with inventory investment	Business Management Services	Supply Chain Management	Inventory management	Inventory management	019-10-01-22-01-1016-00	Internal	11
Content Publishing and Delivery	Allow for the propagation of interactive programs	Digital Asset Services	Content Management	Content Publishing and Delivery			No Reuse	37
Information Mapping / Taxonomy	Support the creation and maintenance of relationships between data entities, naming standards and categorization	Digital Asset Services	Knowledge Management	Information Mapping / Taxonomy			No Reuse	1

a. Use existing SRM Components or identify as "NEW". A "NEW" component is one not already identified as a service component in the FEA SRM.

b. A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

c. 'Internal' reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. 'External' reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

5. Technical Reference Model (TRM) Table:
To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Forensics	Component Framework	Business Logic	Platform Dependent Technologies	
Data Mining	Component Framework	Business Logic	Platform Dependent Technologies	
Data Mining	Component Framework	Business Logic	Platform Dependent Technologies	
Data Mining	Component Framework	Data Management	Database Connectivity	
Ad Hoc	Component Framework	Data Management	Database Connectivity	
Content Publishing and Delivery	Service Access and Delivery	Access Channels	Other Electronic Channels	
Content Publishing and Delivery	Service Access and Delivery	Delivery Channels	Intranet	
Content Publishing and Delivery	Service Access and Delivery	Service Transport	Supporting Network Services	

5. Technical Reference Model (TRM) Table:
To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Content Publishing and Delivery	Service Access and Delivery	Service Transport	Supporting Network Services	
Inventory management	Service Interface and Integration	Integration	Enterprise Application Integration	
Information Mapping / Taxonomy	Service Interface and Integration	Integration	Enterprise Application Integration	
Ad Hoc	Service Interface and Integration	Integration	Enterprise Application Integration	
Information Mapping / Taxonomy	Service Interface and Integration	Interoperability	Data Format / Classification	
Information Mapping / Taxonomy	Service Interface and Integration	Interoperability	Data Types / Validation	
Inventory management	Service Platform and Infrastructure	Database / Storage	Database	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	
Standardized / Canned	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	
Inventory management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	
Inventory management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	
Forensics	Service Platform and Infrastructure	Software Engineering	Modeling	
Inventory management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Content Publishing and Delivery	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Inventory management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Forensics	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Inventory management	Service Platform and Infrastructure	Software Engineering	Test Management	
Standardized / Canned	Service Platform and Infrastructure	Software Engineering	Test Management	
Inventory management	Service Platform and Infrastructure	Software Engineering	Test Management	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Support Platforms	Dependent Platform	
Content Publishing and Delivery	Service Platform and Infrastructure	Support Platforms	Dependent Platform	

a. Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications

b. In the Service Specification field, agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

6. Will the application leverage existing components and/or applications across the Government (i.e., USA.gov, Pay.Gov, etc)? Yes

a. If "yes," please describe.

NMMSS supports PMA initiatives of e-Gov collaboration and reuse and Real Property Asset Management by integrating the support of DOE and NRC reporting and international treaties through the Department of State.

Exhibit 300: Part II: Planning, Acquisition and Performance Information

Section A: Alternatives Analysis (All Capital Assets)

Part II should be completed only for investments identified as "Planning" or "Full Acquisition," or "Mixed Life-Cycle" investments in response to Question 6 in Part I, Section A above.

In selecting the best capital asset, you should identify and consider at least three viable alternatives, in addition to the current baseline, i.e., the status quo. Use OMB Circular A-94 for all investments and the Clinger Cohen Act of 1996 for IT investments to determine the criteria you should use in your Benefit/Cost Analysis.

1. Did you conduct an alternatives analysis for this project?   Yes

    a. If "yes," provide the date the analysis was completed?   8/1/2008

    b. If "no," what is the anticipated date this analysis will be completed?

    c. If no analysis is planned, please briefly explain why:

2. Alternative Analysis Results: * Costs in millions
Use the results of your alternatives analysis to complete the following table:

Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate

3. Which alternative was selected by the Agency's Executive/Investment Committee and why was it chosen?

Alternative 1 -
Providing DOE with an application that will be in compliance with DOE target architecture was number one priority in the research on this investment.

a. What year will the investment breakeven? (Specifically,   2008
when the budgeted costs savings exceed the cumulative costs.)

4. What specific qualitative benefits will be realized?

Risks
NMMSS current operations has had frozen application development. Due to an obsolete technology platform new processes and requirements have been stifled. From the 2007 DOE Performance Plan "Securing our people, our nuclear weapons and weapons-usable materials, our information, and our infrastructure from harm, theft or compromise is one of the highest priorities for the NNSA." NMMSS supports NNSA as a part of DOE. The upgrade enables responses to continually evolving threats to WMD.

5. Federal Quantitative Benefits
What specific quantitative benefits will be realized (using current dollars) Use the results of your alternatives analysis to complete the following table:

	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Budgeted Cost Avoidance
PY - 1 2007 & Prior			Labor savings resulting from upgrades to the hardware and software technology. Decrease in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	Availability improvement resulting from upgrades to hardware and software technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
PY 2008			Labor savings resulting from upgrades to the hardware and software technology. Decrease in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	Availability improvement resulting from upgrades to hardware and software technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
CY 2009			Labor savings resulting from upgrades to the hardware and software technology. Decrease	Availability improvement resulting from upgrades to hardware and software

5. Federal Quantitative Benefits
What specific quantitative benefits will be realized (using current dollars) Use the results of your alternatives analysis to complete the following table:

	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Budgeted Cost Avoidance
			in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
BY 2010			Labor savings resulting from upgrades to the hardware and software technology. Decrease in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	Availability improvement resulting from upgrades to hardware and software technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
BY + 1 2011			Labor savings resulting from upgrades to the hardware and software technology. Decrease in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	Availability improvement resulting from upgrades to hardware and software technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
BY + 2 2012			Labor savings resulting from upgrades to the hardware and software technology. Decrease in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	Availability improvement resulting from upgrades to hardware and software technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
BY + 3 2013			Labor savings resulting from upgrades to the hardware and software technology. Decrease in labor costs from (1) Sr. Subject Matter Expert and (1) Subject Matter Expert required to support legacy system to (1) Subject Matter Expert and (1) Sr. Technician with the Upgrade System.	Availability improvement resulting from upgrades to hardware and software technology. Improved systems integrity and reliability increases system availability from 99% to 99.999% availability. This is estimated at 87.5 hours of availability improvement per year at a NMMSS cost per hour of $40,000.00.
BY + 4 2014 & Beyond				
Total LCC Benefit			LCC = Life-cycle Cost	

6. Will the selected alternative replace a legacy system in-part   No
or in-whole?

   a. If "yes," are the migration costs associated with the migration to the selected alternative included in this investment, the legacy investment, or in a separate migration investment?

   b. If "yes," please provide the following information:

5b. List of Legacy Investment or Systems

Name of the Legacy Investment of Systems	UPI if available	Date of the System Retirement

Section B: Risk Management (All Capital Assets)

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

1. Does the investment have a Risk Management Plan?   Yes

    a. If "yes," what is the date of the plan?   6/6/2008

    b. Has the Risk Management Plan been significantly   Yes
changed since last year's submission to OMB?

c. If "yes," describe any significant changes:

The following Risks and mitigation strategies were documented in the Q3FY2008 DOE Quarterly Control Review Report:

Risk 1) Upgrade software is not fully proven prior to transfer of NMMSS to HQ on, or about October 1, 2008.
Impact: High.
Probability: Low.
Mitigation Actions: Software development is complete as of December, 2007. Expedite testing plan implementation.
Planned Response: Continue to operate base software product and correct deficiencies in upgrade software product parallel to operating the base system.

Risk 2)   New facility is not established, or the new contractor is not in place and trained to the level required to successfully operate NMMSS at HQ on, or about October 1, 2008. Impact: Medium.
Probability: Medium.
Mitigation Actions: Parallel processing schedule will be established with the legacy system and the upgrade system at both facilities. The 90-day contract phase in/phase out period (after expiration of the contract) will be utilized to support transition activities.
Planned Response: Utilize contract 90-day phase in/phase out period after expiration of the contract to support transition activities. Implement NMMSS backup at DOE-Savannah River Site or contractor facility in Atlanta, GA.

Risk 3) Loss of current contractor's trained staff prior to change over to the new contractor.
Impact: Medium.
Probability: Medium.
Mitigation Actions: Implement financial incentives for employee retention through end of contract. Utilize 90-day contract phase in/phase out period after expiration of the contract to support transition activities.
Planned Response: Continue limited scope operations with available staff. Supplement staff with contracted support.

In addition to the formal Risk Management Plan, EVMS is implemented to monitor cost and schedule risks over time by linking defined performance goals and metrics to actual accomplishments. EVMS provides and early warning system to identify, manage and mitigate cost and schedule risks.

2. If there currently is no plan, will a plan be developed?

    a. If "yes," what is the planned completion date?

    b. If "no," what is the strategy for managing the risks?

3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:

DOE Program Management has required EVMS on both the DME and steady state investment projects. EVMS is implemented to monitor cost and schedule risks over time by linking defined performance goals and metrics to actual accomplishments. EVMS provides an early warning system to identify, manage and mitigate cost and schedule risks.

Conservative estimates were associated with existing and future system availability calculations. All DME development efforts are managed using EVMS. EVMS offsets the task being part of the umbrella M&O contract and assures performance is managed effectively. Annual work authorizations by DOE are based on review of EVMS reporting of current performance.

Conservative estimates were made on current and future FTE counts for system and user support. Current Award Fee contracting is annually reviewed by DOE and NRC to provide determination of fee based on performance. It is based on a coordinated effort that Acquisition Strategy is synchronized to in 2008 and award in 2009 to assure the implementation of the most efficient operations and address future technology refreshment is addressed on a performance basis. The award of this future procurement will utilize performance management and with the implementation of the upgrade provide opportunities to eliminate performance gaps that have risked the U.S. being in non-compliance.

Section C: Cost and Schedule Performance (All Capital Assets)

EVM is required only on DME portions of investments. For mixed lifecycle investments, O&M milestones should still be included in the table (Comparison of Initial Baseline and Current Approved Baseline). This table should accurately reflect the milestones in the initial baseline, as well as milestones in the current baseline.

1. Does the earned value management system meet the   Yes
criteria in ANSI/EIA Standard-748?

2. Is the CV% or SV% greater than +/- 10%? (CV%= CV/EV x   No
100; SV%= SV/PV x 100)

    a. If "yes," was it the CV or SV or both?

b. If "yes," explain the causes of the variance:

c. If "yes," describe the corrective actions:

3. Has the investment re-baselined during the past fiscal year?   Yes

a. If "yes," when was it approved by the agency head?   8/24/2007

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

| Milestone Number | Description of Milestone | Initial Baseline | | Current Baseline | | | | Current Baseline Variance | | Percent Complete |
| | | Planned Completion Date (mm/dd/yyyy) | Total Cost ($M) Estimated | Completion Date (mm/dd/yyyy) | | Total Cost ($M) | | Schedule (# days) | Cost ($M) | |
				Planned	Actual	Planned	Actual			
10	DME NMMSS Upgrade System Requirements Development and Description. Contract DE-AC09-96-SR-185000 (Section I.C.1)	3/31/2004	$0.194000	3/31/2004	3/31/2004	$0.194000	$0.194000	0	$0.000000	100%
11	Steady State NMMSS Operations and Maintenance FY 2004. Contract DE-AC09-98SF21544 (Section I.C.1)	9/30/2004	$3.670000	9/30/2004	9/30/2004	$3.670000	$3.670000	0	$0.000000	100%
20	DME NMMSS Upgrade Authority Reference Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	12/30/2004	$0.574000	12/30/2004	12/30/2004	$0.574000	$0.519000	0	$0.055000	100%
21	DME NMMSS Upgrade Transactions Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	8/31/2005	$0.547000	8/31/2005	8/31/2005	$0.547000	$0.536000	0	$0.011000	100%
22	Steady State NMMSS Operations and Maintenance FY 2005. Contract DE-AC09-98SF21544 (Section I.C.1)	9/30/2005	$2.934000	9/30/2005	9/30/2005	$2.934000	$2.934000	0	$0.000000	100%
30	DME NMMSS Upgrade Inventory Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	3/31/2006	$0.492000	3/31/2006	3/31/2006	$0.492000	$0.340000	0	$0.152000	100%
31	DME NMMSS Upgrade Material Balance Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	9/29/2006	$0.355000	9/29/2006	9/29/2006	$0.355000	$0.339000	0	$0.016000	100%
32	Steady State NMMSS Operations and Maintenance FY 2006. Contract DE-AC09-	9/30/2006	$2.620000	9/30/2006	9/30/2006	$2.620000	$2.738000	0	-$0.118000	100%

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline Planned Completion Date (mm/dd/yyyy)	Initial Baseline Total Cost ($M) Estimated	Current Baseline Completion Date (mm/dd/yyyy) Planned	Current Baseline Completion Date (mm/dd/yyyy) Actual	Current Baseline Total Cost ($M) Planned	Current Baseline Total Cost ($M) Actual	Current Baseline Variance Schedule (# days)	Current Baseline Variance Cost ($M)	Percent Complete
	98SF21544 (Section I.C.1)									
40	DME NMMSS Upgrade SAMS Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	5/31/2007	$0.185000	1/18/2008	12/31/2007	$0.185000	$0.140000	18	$0.045000	100%
41	DME NMMSS Upgrade IAEA Reporting Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	10/31/2007	$0.461000	10/31/2007	12/31/2007	$0.461000	$0.255000	-61	$0.206000	100%
42	Steady State NMMSS Operations and Maintenance FY 2007. Contract DE-AC09-98SF21544 (Section I.C.1)	9/30/2007	$2.644000	9/30/2007	9/30/2007	$2.644000	$2.634000	0	$0.010000	100%
50	DME NMMSS Upgrade Reports Module Development. Contract DE-AC09-96-SR-18500 (Section I.C.1)	12/31/2007	$0.331000	4/30/2008	12/31/2007	$0.331000	$0.079000	121	$0.252000	100%
51	DME NMMSS Upgrade Program Support Activities. Contract DE-AC09-96-SR-185000 (Section I.C.1)	1/31/2008	$2.162000	4/30/2008	12/31/2007	$2.162000	$2.288000	121	-$0.126000	100%
52	Steady State NMMSS Operations and Maintenance FY 2008. Contract DE-AC09-98SF21544 (Section I.C.1)	9/30/2008	$3.714000	9/30/2008	9/30/2008	$3.714000	$3.855000	0	-$0.141000	100%
53	DME NMMSS Upgrade Testing Activities. Contract DE-AC09-96-SR-185000 (Section I.C.1)	10/1/2008	$0.090000	10/1/2008	10/1/2008	$0.090000	$0.090000	0	$0.000000	100%
61		9/30/2009	$2.942000	9/30/2009	2/28/2009	$3.018000	$1.001000	214	$0.266560	42%
62		9/30/2010	$2.942000	9/30/2010		$3.018000				0%
63		9/30/2011	$2.942000	9/30/2011		$3.018000				0%
64		9/30/2012	$2.942000	9/30/2012		$3.018000				0%

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
65		9/30/2013	$2.942000	9/30/2012		$3.018000				0%
Project Totals		**9/30/2013**	**$35.683000**	**9/30/2012**	**2/28/2009**	**$36.063000**	**$21.612000**	**1310**	**$0.628052**	**61.67%**